Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (original) An injector pump for delivering fluid to a fluid receiving location of a fluid receiving device, comprising:
an initially dry fluidic path having a fluid application end for accepting fluid and an effluent end for delivering fluid to the receiving location, the fluidic path automatically filling with fluid up to the effluent end upon fluid application to the application end;
an isolator for fluidically isolating the effluent end from the receiving location to prevent passive fluid flow from the effluent end when the fluidic path includes a fluid;
driving means for electro-osmotically pumping fluid out of the effluent end of the fluidic path element and across the isolator to the fluid receiving location; and
a sealing element for sealing the fluidic path along a perimeter thereof to prevent fluid flow from the fluidic path at the perimeter during electro-osmotic pumping.

2. (original) The injector pump of claim 1, wherein the initially dry fluidic path is made of a micro-porous material and wets up by capillary action when fluid is applied to the application end.

3. (original) The injector pump of claim 2, wherein the isolator is an air gap adjacent the effluent end.

4. (original) The injector pump of claim 3, wherein the fluidic path is made of a material having a surface charge and zeta potential.

5. (original) The injector pump of claim 4, wherein the driving means is a pair of spaced apart first and second electrodes for applying an electrical potential to a fluid in the fluidic path.

6. (original) The injector pump of claim 5, wherein the first electrode is in electric contact with the fluid in the fluidic path at a first location and the second electrode is positioned at a second, spaced apart location for electrical contact with the fluid at the application end.

7. (original) The injector pump of claim 6, further comprising means for electrically connecting the first and second electrodes to an electric control instrument for generating the electrical potential.

8. (original) The injector pump of claim 7, wherein the means for electrically connecting is an electronic circuit board with contacts for electrically connecting to the control instrument and electric conductors for electrically connecting the contacts with the first and second electrodes.

9. (original) The injector pump of claim 8, wherein the first and second electrodes are part of a flexible electrode module.

10. (original) The injector pump of claim 2, wherein the fluidic path contains a mobilizable reagent, which is mobilized and transported along the length of the micro-porous fluidic path by capillary flow when fluid is applied at the application end.

11. (original) The injector pump of claim 10, wherein the mobilizable reagent is selected from the group of luminogenic, fluorogenic, electrogenic and chemoluminescent substrates and combinations thereof.

12. (original) The injector pump of claim 1, wherein the receiving element is selected from the group of a micro-porous lateral flow path, a pipe, a micro-reactor, and a chamber.

13. (original) The injector pump of claim 1, wherein the fluid receiving device includes a first fluid receiving element containing a dry reagent to be mobilized when the receiving device receives fluid from the injector pump, and a second fluid receiving element fluidically connected to the first fluid receiving element for receiving the injected fluid containing the mobilized reagent.

14. (original) The injector pump of claim 6, wherein the first electrode is spaced from the effluent end to generate a field free region in the fluidic path at the effluent end during electro-osmotic pumping.

15. (original) The injector pump of claim 14, wherein the micro-porous fluidic path contains a mobilizable reagent located in the field free region and mobilized and transported towards the effluent end by capillary flow when fluid is applied at the application end.

16. (original) The injector pump of claim 15, wherein the mobilizable reagent is selected from the group of luminogenic, fluorogenic, electrogenic and chemoluminescent substrates and combinations thereof.

17. (original) The injector pump of claim 2, wherein the fluid introduced into the initially dry fluidic path at its application end is supplied to the application end from an integral fluid reservoir.

18. (original) The injector pump of claim 17, wherein the integral reservoir is initially sealed, and after rupture of the seal releases fluid to the application end of the fluidic path.

19. (original) The injector pump of claim 2, wherein the micro-porous fluidic path has pores less than 1 micrometers radius.

20. (original) The injector pump of claim 2, wherein the micro-porous fluidic path has pores less than 0.2 micrometers radius.

21. (original) The injector pump of claim 1, wherein the electro-osmotically pumped fluid has an electrolyte concentration of less than 10 milimolar

22. (original) The injector pump of claim 1, wherein the fluidic path is trapezoidal shaped with its fluid application end wider than its effluent end.

23. (original) The injector pump of claim 1, wherein the flow conductance of the fluid-filled fluidic path is at least 20 times less than the flow conductance of the fluid receiving device at its receiving location.

24. (original) The injector pump of claim 1, for supplying liquid to a vented air chamber at the fluid receiving location.

25. (original) The injector pump of claim 1, for supplying liquid to an enclosed air chamber at the fluid receiving location.

26. (original) The injector pump of claim 25, wherein the fluid receiving device is a micro-porous lateral flow strip with a fluid receiving location along its length.

27. (original) The device of claim 26, wherein the lateral flow strip has a sample application end and an effluent end.

28. (original) The injector pump of claim 5, for operation with an electric potential of less than 100 volts.

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